

ABSTRACT



AN AUTOMATIC MACHINERY FAULT DIAGNOSTIC
METHOD AND APPARATUS

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The invention relates to an automatic fault diagnostic procedure for machines, such as steam, gas and hydro-turbines, generators, pumps, electrical motors, etc. .

For each of a plurality of components, for each of a number of possible faults, a total fault symptom strength value is calculated from measured data. If the value is above
10 a predetermined value, the fault symptom strength is plotted and fitted to a trend line to determine an estimate of when the fault symptom strength will exceed a predetermined value. Output messages are then selected based on the fit.